

Human Sulfotransferase 1A1 ELISA Kit | SULT1A1 elisa kit

Human Sulfotransferase 1A1 ELISA Kit

CATALOG #
AAA99702

REACTIVITY
Human

PRODUCT SYNONYMS

Sulfotransferase 1A1; Human Sulfotransferase 1A1 ELISA Kit; SULT1A1/Sulfotransferase 1A1/ST1A1/Thermostable phenol sulfotransferase/Ts-PST/ST1A3/Phenol-sulfating phenol sulfotransferase 1/P-PST 1/Phenol sulfotransferase 1/Aryl sulfotransferase 1/HAST1/HAST2/STP/STP1; SULT1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SULT1A1 . No significant cross-reactivity or interference between SULT1A1 and analogues was observed.
Sequence Length	217
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SULT1A1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SULT1A1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a SULT1A1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.01	0.094	0.213	0.493	0.869	1.251	1.968	2.171

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SULT1A1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-SULT1A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- SULT1A1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the SULT1A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of SULT1A1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29540543
NCBI GeneID	6817
NCBI Accession #	NP_803880.1
NCBI GenBank Nucleotide #	NM_177536.3
Molecular Weight	25,388 Da
NCBI Official Full Name	sulfotransferase 1A1 isoform b
NCBI Official Synonym Full Names	sulfotransferase family 1A member 1
NCBI Official Symbol	SULT1A1
NCBI Official Synonym Symbols	PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; HAST1/HAST2
NCBI Protein Information	sulfotransferase 1A1
UniProt Protein Name	Sulfotransferase 1A1
UniProt Gene Name	SULT1A1
UniProt Synonym Gene Names	STP; STP1; ST1A1; P-PST 1; Ts-PST
UniProt Entry Name	ST1A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/sult1a1-human-elisa-kits/sulfotransferase-1a1/99702>